

GenCore version 5.1.9
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OM nucleic - nucleic search, using sw model

Run on: December 14, 2006, 13:20:45 ; Search time 16567.7 Seconds
(without alignments)
10189.779 Million cell updates/sec

Title: US-10-767-441-9

Perfect score: 2640

Sequence: taaacccggcgatataaat.....acaggattaaattttccgacc 2640

Scoring table: IDENTITY_NUC
Gapop_10_0 , Gapext 1.0

Searched: 6366136 seqs, 31973710525 residues

Total number of hits satisfying chosen parameters: 12732272

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing First 45 summaries

Database : GenEmbl:
1: gb_env:
2: gb_Pat:
3: gb_ph:
4: gb_Dl:
5: gb_Dr:
6: gb_ro:
7: gb_sts:
8: gb_sy:
9: gb_un:
10: gb_vl:
11: gb_ov:
12: gb_htg:
13: gb_in:
14: gb_om:
15: gb_ba:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description	
1	2640	100.0	225528	15	AL591984	AL591984 Listeria AX641673 Sequence	
2	2640	100.0	244528	2	AX641673	AX641673 Sequence	
3	2556	96.8	2556	2	AX413703	AX413703 Sequence	
4	2556	96.8	2556	2	AX415879	AX415879 Sequence	
5	2197.6	83.2	105187	15	AE017262_28	Continuation (29 o)	
C	6	977.4	37.0	3318	2	AX416769	AX416769 Sequence
C	7	676.2	25.6	759	2	AX15918	AX15918 Sequence
C	8	530.4	20.1	3084	2	AX41693	AX41693 Sequence
C	9	526.4	19.9	1247	2	AX414526	AX414526 Sequence
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C	14	231	8.8	1941	2	AX13668	AX13668 Sequence
C	15	231	8.8	1974	2	AX41259	AX15259 Sequence
C	16	224	8.5	3714	2	AX41507	AX41507 Sequence
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C	18	224	8.5	263020	2	AX417040	AX417040 Sequence

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224 20 8.5 349980 2 AX417043
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224 41 145.2 5.5 1704 2 AX41678
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224 42 140.2 5.3 895 2 AX414851
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Listeria

ALIGNMENTS

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LOCUS AL591984 Listeria monocytogenes strain EGD, complete genome, segment 12/12.
DEFINITION AL591984 AL591824
ACCESSION AL591984.1 GI:16412145
VERSION KEYWORDS
SOURCE
ORGANISM Listeria monocytogenes
Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.
REFERENCE 1.
AUTHORS Glasel,P., Fraigneul,L., Buchrieser,C., Rusniok,C., Amend,A., Chakraborty,T., Baquero,F., Berche,P., Bloecker,H., Brandt,P., Charbit,A., Chetouani,F., Couve,E., de Daruvar,A., Denoux,P., Domann,B., Dominguez,G., Dornhaud,E., Durant,L., Dussart,O., Entian,K.D., Fshih,H., Garcia-del Portillo,F., Garrido,P., Gautier,J., Goebel,W., Gomez-Lopez,N., Hain,T., Hauf,J., Jackson,D., Jones,L.M., Kaerst,U., Kreft,J., Kuhn,M., Kunst,F., Kurapati,G., Nordsiek,G., Novella,S., de Pablo,B., Ng,E., Nedjari,H., Perez-Diaz,N., Perez-Diaz,J.C., Purcell,R., Remmeli,B., Rose,M., Schlüter,T., Simoës,N., Tierzner,A., Vazquez-Boland,J.A., Voss,H., Weiland,J. and Cossart,P.
TITLE Comparative genomics of Listeria species
JOURNAL Science 294 (5543), 849-852 (2001)
PUBLMED 11679669
REFERENCE 2 (bases 1 to 255528)
AUTHORS Glasel,P., Fraigneul,L. and Rusniok,C.
TITLE Direct Submission
JOURNAL Submitted (06-JUN-2001) Glaser P., Institut Pasteur, Génomique des Microorganismes Pathogènes, 25 rue du Docteur Roux, 75724 Paris Cedex 15, FRANCE
COMMENT pg.laser@pasteur.fr.
Phone: +33 1 45 68 89 96, Fax: +33 (0) 1 45 68 87 86.
FEATURES source
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Db				JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
FEATURES	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
	source			AUTHORS	Kunst, F. and Glaser, P.			
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	source			AUTHORS	Kunst, F. and Glaser, P.			
	source			TITLE	Listeria monocytogenes EGD-e			
	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
	source			AUTHORS	Kunst, F. and Glaser, P.			
	source			TITLE	Listeria monocytogenes EGD-e			
	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
	source			AUTHORS	Kunst, F. and Glaser, P.			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
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	source			TITLE	Listeria monocytogenes EGD-e			
	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source			REFERENCE	Locutus ; Firmicutes ; Bacillales ; Listeriaceae ; Listeria .			
	source			AUTHORS	Kunst, F. and Glaser, P.			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
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	source			JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) /FR/			
	source							

/organism="Listeria monocytogenes EGD-e"
/mol_type="unassigned DNA"
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QY	1013	GACCTAACACAAACACAATTAAATTTCAAGTGGAAAGGATGTGAAATAATAAAA	1072
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QY	1073	GAGCTTGATGTCACGCCATAATCACAAATTATTTTAACTGCGCAAGCCGCTGGTATA	1132
Db	1021	GAGCTTGATGTCACGCCATAACACAAATTATTTTAACTGCGCAAGCCGCTGGTATA	1080
QY	1133	ACAGAATGGATCTTCACAAACCCATAACACAAATTATTTTAACTGCGTAATATGGC	1192
Db	1081	ACAGAATGGATCTTCACAAACCCATAACACAAATTATTTTAACTGCGTAATATGGC	1140
QY	1193	CTAACCGAAATTAGACGGTTCCCATAACACAAACCTTAACACAAATTAGCTTGTGAAAGTGTGCTTAAATAGCTGAA	1252
Db	1141	CTAACCGAAATTAGACGGTTCCCATAACACAAACCTTAACACAAATTAGCTTGTGCTTAAATAGCTGAA	1200
QY	1253	CACATCAGACTTCTCTCTGTAGTAAATTCTGCCCTTAACACAAATTGAGGGCT	1312
Db	1201	CACATCAGACTTCTCTCTGTAGTAAATTCTGCCCTTAACACAAATTGAGGGCT	1260
QY	1313	GAAGGGAAACATCAGATGCCCTAAGAAACTTAAACAAACAGCTTGACCATGGCA	1372
Db	1261	GAAGGGAAACATCAGATGCCCTAAGAAACTTAAACAAACAGCTTGACCATGGCA	1320
QY	1373	GTTAGCCCTGATTATTAGATCAGTTGGAAATTCGGTAACTTGCAGGAGCGGC	1432
Db	1321	GTTAGCCCTGATTATTAGATCAGTTGGAAATTCGGTAACTTGCAGGAGCGGC	1380
QY	1433	GGTGTGTACGACCAAGGAAACAATTACAAATTACCTTGGAAAATCTCAGCACAGAAATCTCA	1492
Db	1381	GGTGTGTACGACCAAGGAAACAATTACAAATTACCTTGGAAAATCTCAGCACAGAAATCTCA	1440
QY	1493	GCGGTAACTTACITTCACITCCGGAAACGGAGCTATAGTAGGAACTCTAACACTCCA	1552
Db	1441	GCGGTAACTTACITTCACITCCGGAAACGGAGCTATAGTAGGAACTCTAACACTCCA	1500
QY	1553	TTTGAAACCCATCAACCCATCAAGGGAAAGAGCTCACATTACCTTGTGAAAAA	1612
Db	1501	TTTGAAACCCATCAACCCATCAAGGGAAAGAGCTCACATTACCTTGTGAAAAA	1560
QY	1613	GGAGAAAATTGGCGGATGTGAAAGTCTAACGGTAAATTGGACGATCCTTAACTCT	1672
Db	1561	GGAGAAAATTGGCGGATGTGAAAGTCTAACGGTAAATTGGACGATCCTTAACTCT	1620
QY	1673	AGCGCAAGACATCCGAGATTACCAATTAAACGACTTCCGATAACCCAAACCGGAAACA	1732
Db	1621	AGCGCAAGACATCCGAGATTACCAATTAAACGACTTCCGATAACCCAAACCGGAAACA	1680
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QY	1793	CCTGTACCCGTTAAATTACGTGGACGATACTGGAAAAGGCTCTCCATCCGAAATAATTAA	1852
Db	1741	CCTGTACCCGTTAAATTACGTGGACGATACTGGAAAAGGCTCTCCATCCGAAATAATTAA	1800
QY	1853	AACGGAAATGGTGGGCAACCCATTGCAACTTGGACATTGCAAACTGACCGCTAACATAT	1912
Db	1801	AACGGAAATGGTGGGCAACCCATTGCAACTTGGACATTGCAAACTGACCGCTAACATAT	1860
QY	1913	TCCGCCAACCAACCCATTGCAACTTGGACATTGCAAACTGACCGCTAACATAT	1972
Db	1861	TCCGCCAACCAACCCATTGCAACTTGGACATTGCAAACTGACCGCTAACATAT	1920
QY	1973	ATTACACAAAAAATTCAAGCCCTGAAAGGAGTTGTGAAATTCACTATGTGACGAA	2032
Db	1921	ATTACACAAAAAATTCAAGCCCTGAAAGGAGTTGTGAAATTCACTATGTGACGAA	1980
QY	2033	GATAATAACACATTAACTCCACCAAAATTCTGGAAACAACTGAGATAACTACACCG	2092
Db	1981	GATAATAACACATTAACTCCACCAAAATTCTGGAAACAACTGAGATAACTACACCG	2040
QY	2093	ACTGAGCCAAAACCTACTCGAAGGGCTATAGTTAACACAACTACACCGGTTATGCAACCGGC	2152

Db	2041	ACTGAGCCAAAACCTATCGAAGGTATACTGTTAACAACTACACGGGTAAACCTA 2100	Db	121	AAGAAAACAAGCTCAACTCAACCAACTATAAAAACACACTAAAGCGGGTAAACCAA 180
Qy	2153	ACTTCACCAAGGGCAACCGTACATGTAATCTGACATAGTGATGAAACCTGAA 2212	Qy	233	AGTTTAAACGACTCTGTTTCCTGATGACAATTGCTTCAGAGGTAGCCAGCATTTGAA 292
Db	2101	ACTTCACCAAGGGCAACCGTACATGTAATCTGACATAGTGAAACCTGAA 2160	Db	181	AGTTTAAACGACTCTGTTTCCTGATGACAATTGCTTCAGAGGTAGCCAGCATTTGAA 240
Qy	2213	GAGCGATTAACAGTGAAATTACGTTGATGTTAATGCAAAACCTGCAATCGAAACA 2272	Qy	293	ATGCCAGCAACTCAACTATCAGGAAACAACTACTCTAACAACTGTCTGATGTC 352
Db	2161	GAGCGATTAACAGTGAAATTACGTTGATGTTAATGCAAAACCTGCTCATCGAAACA 2220	Db	241	ATGCCAGCAACTCAACTATCAGGAAACAACTACTCTAACAACTGTCTGATGTC 300
Qy	2273	TAAACGAAACCTGTTGGGACACATATAAGGAAACTTGCAAAACCTGCTCATCGAAACA 2332	Qy	353	CATAATTCATCCATACCGATATGACTGGTATGAAATAACTGGTTAACAAATA 412
Db	2221	TAAACGAAACCTGTTGGGACACATATAAGGAAACTTGCAAAACCTGCTCATCGAAACA 2280	Db	301	CATAATTCATCCATACCGATATGACTGGTATGAAATAACTGGTTAACAAATA 360
Qy	2333	TTATCCGGGAACCAACCATGGCAACTTGCAAACTGCTCAC 2392	Qy	413	ATTGCGACAAGTAAACATTTACCAACCCCTGATCTTAGCCAAAACACTAATTAACTTAT 472
Db	2281	TTATCCGGGAACCAACCATGGCAACTTGCAAACTGCTCAC 2340	Db	361	ATTGCGACAAGTAAACATTTACCAACCCCTGATCTTAGCCAAAACACTAATTAACTTAT 420
Qy	2393	TACATTTATAGGAAAAACAGATCAACCTTACCAACTAAACCTACGAAAC 2452	Qy	473	CGCGCAGCTGATCAAAACTACAAACCTTGACTGCTAACCCGGTTACAAAATTAAACC 532
Db	2341	TACATTTATAGGAAAAACAGATCAACCTTACCACTTACCACTAAACCTACGAAAC 2400	Db	421	CGCGCAGCTGATCAAAACTACAAACCTTGACTGCTAACCCGGTTACAAAATTAAACC 480
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Db	2401	ACACACCAACCAAGGCCATCTTAATTAAGACAAACCGAAGTGAAGTCAAGATACC 2460	Db	481	TACTTAATTGGCAACGAAACAACTTGACTGCTAACCTTGACTGCTAACCTGCTGTA 540
Qy	2513	CTACCAAAACAGGGATTCGGCACCATGGAATTCACTGGGTATTCCTPATCA 2572	Qy	593	ACTTATTAAACTGGGGCAACACCTTAAACGAAATAGATGTCAGCCACATAACCAA 652
Db	2461	CTACCAAAACAGGGATTCGGCACCATGGAATTCACTGGGTATTCCTPATCA 2520	Db	541	ACTTATTAAACTGGGGCAACACCTTAAACGAAATAGATGTCAGCCACATAACCAA 600
Qy	2573	TCCACAGGCTCTAGTTATCTGGAAAAAGAAAAATAG 2608	Qy	653	TGACCGAGCTGACCTGOCGCAATTAAATAAAATCACCATAATGATGTGACACCAAA 712
Db	2521	TCCACAGGCTCTAGTTATCTGGAAAAAGAAAAATAG 2556	Db	601	TGACCGAGCTGACCTGOCGCAATTAAATAAAATCACCATAATGATGTGACACCAAA 660
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RESULT 4					
LOCUS	AX415879	2556 bp DNA linear	PAT	02-SEP-2002	
DEFINITION	Sequence 2870 from Patent WO0228891.		Qy	773	AATAACTACTGACCCGCTAAACTGGGACACTATAATAACTAAACTGGACCTCAAC 832
ACCESSION	AX415879		Db	721	AATAACTACTGACCCGCTAAACTGGGACACTATAATAACTAAACTGGACCTCAAC 780
VERSION	AX415879.1		Qy	833	CAAAATATTGCGCTAAATTAACTACACTACATGTTGCGCAGTAACAAATTACCGRAATAAGTGT 892
KEYWORDS			Db	781	CAAAATATTGCGCTAAATTAACTACACTACATGTTGCGCAGTAACAAATTACCGRAATAAGTGT 840
SOURCE	Listeria monocytogenes EGD-e		Qy	893	ACCCGGTTACAGGTTAACTGGTAATCTTAACTGTTAACTGGACCTCAAC 952
ORGANISM	Listeria monocytogenes EGD-e		Db	841	ACCCGGTTACAGGTTAACTGGACACTATAACTGGACCTCAAC 900
BACTERIA	Firmicutes; Bacillales; Listeriaceae; Listeria.		Qy	953	GTATCTAGGCTTCAAAATTAACTACATGTTGCGCAGTAACAAATTACCGRAATAAGTGT 960
REFERENCE	Kunst, F. and Glaser, P.		Db	901	GTATCTAGGCTTCAAAATTAACTACATGTTGCGCAGTAACAAATTACCGRAATAAGTGT 1012
AUTHORS	Listeria innocua genome and applications		Qy	1013	GACCTAACACACACACAAATTAACTATTTCAACTGTAACAGATTATGAAATA 1072
TITLE	Patent: WO 0228891-A 2870 11-APR-2002;		Db	961	GACCTAACACACACACAAATTAACTATTTCAACTGTAACAGATTATGAAATA 1020
JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) (FR)		Qy	1073	GACCTAACACACACACAAATTAACTATTTCAACTGTAACAGATTATGAAATA 1132
FEATURES	Location/Qualifiers		Db	1021	GACCTAACACACACACAAATTAACTATTTCAACTGTAACAGATTATGAAATA 1080
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	/db_xref="taxon:169963"		Qy	1193	CTAACGGAAATTGAGCTTCCACAAAAGCTGAAAAGCTGCTTGCCTAAATGCG 1252
			Db	1141	CTAACGGAAATTGAGCTTCCACAAAAGCTGAAAAGCTGCTTGCCTAAATGCG 1200
			Qy	1253	CACATCCAAGACTCTCTGTGAAATTCTCTGCCCTAAACATAATTGAGCT 1312
			Db	1201	CACATCCAAGACTCTCTGTGAAATTCTCTGCCCTAAACATAATTGAGCT 1260
			Qy	173	AAAGAAAAGCTCAACTCAACCAACTATAAAAACACACTCAAAGCGGTCAAAACCAA 232

Y	1313	GAAGGGCAAAACAATCACGATGCCCTAACAAACAAACTTAAACAGCTTGACATTGCA	1372	Qy	2393	TACATTATAGCAGAAAACACAAAACAGATCAACCTTACCAACTAAACACTAGAAC	2452	
o	1261	GAAGGGCAAAACAATCACGATGCCCTAACAAACAAACTTAAACAGCTTGACATTGCA	1320	Db	2341	TACATTATAGCAGAAAACACAAAACAGATCAACCTTACCAACTAAACACTAGAAC	2400	
y	1373	GTTAGCCCTAATTATTAGTCAGTTGGAATTCGGATATAATGAAACCGGGGAGCCG	1432	Qy	2453	ACCAACCAACCAAGCAGCATCTAAATTAAAGACAAACCCGAAGTGAAGAAAAGCTTCA	2512	
o	1321	GTTAGCCCTAATTATTAGTCAGTTGGAATTCGGATATAATGAAACCGGGGAGCCG	1380	Db	2401	ACCAACCAACCAAGCAGCATCTAAATTAAAGACAAACCCGAAGTGAAGAAAAGCTTCA	2460	
y	1433	GGTGTGTAACCAAGCAAAATACTCGGAAATACTCGGAAATCTAGCAGAGATCTCA	1492	Qy	2513	CTACCAAAACAGGGATTCCGCACCATGAAATCGCTCTACTTGGGTTATTCTATCA	2572	
o	1381	GGTGTGTAACCAAGCAAAATACTCGGAAATACTCGGAAATCTAGCAGAGATCTCA	1440	Db	2461	CTACCAAAACAGGGATTCCGCACCATGAAATCGCTCTACTTGGGTTATTCTATCA	2520	
y	1493	GCCGTAACCTATACTTCGAAAAGGGACTTATAGTAGGAAACCTTAAACACTCTCA	1552	Qy	2573	TCCACAGCTAGTTATCTGGAAAAAGAAAAAATAG	2608	
o	1441	GCCGTAACCTATACTTCGAAAAGGGACTTATAGTAGGAAACCTTAAACACTCTCA	1500	Db	2521	TCCACAGCTAGTTATCTGGAAAAAGAAAAAATAG	2556	
y	1553	TTGAGGAACTCAACCCATCAAGAGAGACGTCACAGTACATTACCTGTGACAAA	1612	RESULT 5				
o	1501	TTTGTAGGAACTCAACCCATCAAGAGAGACGTCACAGTACATTACCTGTGACAAA	1560	WPCOMMENT				
y	1613	GGAGAAAAATTGGGGATGATGAACTTCAAGAGAAACCTCAAGAGAAACCTTACATCT	1672	Sequence split into 29 fragments Locus AE017262				
b	1561	GGAGAAAATTGGGGATGATGAACTTCAAGAGAAACCTCAAGAGAAACCTTACATCT	1620	Fragment Name	Begin	End		
b	1673	AGCGCAAAGACATCCAGATTATACATTAACTCAGATAAACCCGAAAGCA	1732	AE017262_00	1	110000		
b	1621	AGCGCAAAGACATCCAGATTATACATTAACTCAGATAAACCCGAAAGCA	1680	AE017262_01	100001	210000		
b	1733	TTCAACACTAGCGCTGCTGTTACGTAGTTACACTAAACCTGAGCCAGAG	1792	AE017262_02	200001	310000		
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b	1793	CCTGTAACCGTTAAATTACGGGAGCATACGGAAAACCGCTCTCCATCGAAATTA	1852	AE017262_04	400001	510000		
y	1741	CCTGTAAACCTTAAATTACGGGAGCATACGGAAAACCGCTCTCCATCGAAATTA	1800	AE017262_05	500001	610000		
b	1853	AACGGAAATGTTGGGACACTTATAACGCACCTTAACTATGACCTGAACTATTA	1912	AE017262_06	600001	710000		
b	1801	AACGGAAATGTTGGGACACTTATAACGCACCTTAACTATGACCTGAACTATTA	1860	AE017262_07	700001	810000		
b	1913	TCCGCGAACACCAACTGCAACTTCAAGAGCGCCAAACCGCTCAACTAT	1972	AE017262_08	800001	910000		
b	1861	TCCGCGAACACCAACTGCAACTTCAAGAGCGCCAAACCGCTCAACTAT	1920	AE017262_09	900001	1010000		
b	1973	ATTACACAAAAATTCAACCTAACCTATGTTGACAAATTCACTATGTTGACGA	2032	AE017262_10	1000001	1110000		
b	1921	ATTACACAAAAATTCAACCTAACCTATGTTGACAAATTCACTATGTTGACGA	1980	AE017262_11	1100001	1210000		
b	2033	GATAAAACACCTAACCTACCAAGAAATTCTGGACAAATAGGAGATACTACAG	2092	AE017262_12	1200001	1310000		
b	1981	GATAAAACACCTAACCTACCAAGAAATTCTGGACAAATAGGAGATACTACAG	2040	AE017262_13	1300001	1410000		
b	2093	ACTGACCCAAACACTATCGAGGCTTACCTTAACTACCTACACCGCTTACGCC	2152	AE017262_14	1400001	1510000		
b	2041	ACTGACCCAAACACTATCGAGGCTTACCTTAACTACACCGCTTACGCC	2100	AE017262_15	1500001	1610000		
b	2153	ACTTCACCACTGGCAAAACCGTGAATATGTTACCTACATGAGCAGCA	2212	AE017262_16	1600001	1710000		
b	2101	ACTTCACCACTGGCAAAACCGTGAATATGTTACCTACATGAGCAGCA	2150	AE017262_17	1700001	1810000		
b	2213	GAGCCGATACAGTGAATTACGTGGATGCTTAATGCTCCATCGCAAAACCA	2222	AE017262_18	1800001	1910000		
b	2161	GAGCCGATACAGTGAATTACGTGGATGCTTAATGCTCCATCGCAAAACCA	2220	AE017262_19	1900001	2010000		
b	2273	TTAAACGGAAACCTGGGACACATATAAGCAACTGCAAAATCGCGGTACACA	2312	AE017262_20	2000001	2110000		
b	2221	TTAAACGGAAACCTGGGACACATATAAGCAACTGCAAAATCGCGGTACACA	2280	AE017262_21	2100001	2210000		
b	2333	TTATCGGCCAACCCACCAACTGCGCAATTCAAGCTGGCAACTCTCAAC	2392	AE017262_22	2200001	2310000		
b	2281	TTATCGGCCAACCCACCAACTGCGCAACTCTCAACAGTGGCAACTCTCAAC	2340	AE017262_23	2300001	2410000		
b	2121	ATTCCGAGAACGAGATGATGTTATGATAATAGGACAGAAATCACTACTGATA	2312	AE017262_24	2400001	2510000		
b	67682	ATTCCGAGAACGAGATGATGTTATGATAATAGGACAGAAATCACTACTGATA	2400	AE017262_25	2500001	2610000		
b	67562	TABAAGGGCTTATATAATGATGTTACCTACTGTTACCTCTGGTTCAACCCAA	2450	AE017262_26	2600001	2710000		
b	67622	TCTTAATAATATAATGATCTTACATGTTAGTTACCTCTGGTTCAACCCAA	2500	AE017262_27	2700001	2810000		
b	67612	Continuation (29 of 29) of AE017262 from base 28000001 (AE017262 Listeria monocyt	2550	Query Match	83	24;	Score 2197; DB 15; Length 105187;	
b	67511	Best Local Similarity 88.1%; Pred. No. 0; Mismatches 0; Indels 2; Gaps 2;	2550	Matches 2511; Conservative	14;	Mismatches	114;	
b	67562	1 TAAACGGCTTATATAATGATGTTACCTACTGTTACCTCTGGTTCAACCCAA	2550	60	61 TACTAAATAGTAAATTGCTCTATGTTACCTACTGTTACCTCTGGTTCAACCCAA	120		
b	67622	62 TABAAGGGCTTATATAATGATGTTACCTACTGTTACCTCTGGTTCAACCCAA	2550	60	63 AGCTCAACTCAACCAACTATAAGCAACTCTGGTTCAACCCAA	120		
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REFERENCE	Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.	VERSION	AL591984.1 GI:16412145
AUTHORS	Kunst, F. and Glaser, P.	KEYWORDS	Listeria monocytogenes
TITLE	Listeria innocua genome and applications	SOURCE	Listeria monocytogenes
JOURNAL	Patent: WO 02268891-A 2870 11-APR-2002;	ORGANISM	Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.
FEATURES	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) (FR)	REFERENCE	1
LOCATION/QUALIFIERS	Location/Qualifiers	AUTHORS	Glaser, P., Frangoul, I., Buchrieser, C., Rusniok, C., Amend, A., Baquero, F., Berche, P., Blocker, H., Brandt, P., Chakraborty, T., Charbit, A., Chetouani, P., Couve, P., de Darvila, A., Dehoux, P., Domann, E., Dominguez-Bernal, G., Duchaud, E., Durant, L., Dussurge, O., Entian, K.D., Fsihi, H., Garcia-del Portillo, F., Garrido, P., Gautier, L., Gobbel, W., Gomez-Lopez, N., Hain, T., Haut, J., Jackson, D., Jones, L.M., Kaez, U., Kuhn, M., Kunst, F., Kurapkat, G., Madueno, E., Maitourna, A., Vicente, J.M., Ng, E., Nedjari, H., Nordström, G., Novella, S., de Pablo, B., Perez-Díaz, J.C., Purcell, R., Remmel, B., Rose, M., Schlueter, T., Simoes, N., Tierrez, A., Vazquez-Boland, J.A., Voss, H., Weiland, J. and Cossart, P.
SOURCE	/organism="Listeria monocytogenes EGD-e"	COMMENT	Comparative genomics of Listeria species
DB_XREF	/mol_type="unassigned DNA"	JOURNAL	Science 294 (5543), 849-852 (2001)
ORIGIN	/db_xref="taxon:169963"	COMMENT	E-mail: pg_laser@pasteur.fr Phone: +33 1 45 68 89 96; Fax: +33 (0) 1 45 68 87 86.
Query Match	Score 20; DB 2; Length 2556;	REFERENCE	2 (bases 1 to 225528)
Best Local Similarity	100.0%	AUTHORS	Glaser, P., Frangoul, I. and Rusniok, C.
Matches 20;	Conservative 0;	TITLE	Direct Submission
Score 20;	Mismatches 0;	JOURNAL	Submitted (06-JUN-2001) Glaser P., Institut Pasteur, Genomique des Microorganismes Pathogenes, 25 rue du Docteur Roux, 75724 Paris Cedex 15, FRANCE
Db	1447 TTACGGCTGGATTGTCCTG 20	COMMENT	E-mail: pg_laser@pasteur.fr Phone: +33 1 45 68 89 96; Fax: +33 (0) 1 45 68 87 86.
RESULT 3	TTACGGCTGGATTGTCCTG 1428	FEATURES	Location Qualifiers
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 ORGANISM Listeria monocytogenes
 Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.
 REFERENCE 1 Buchrieser,C., Frangeul,L., Couve,E., Rusniok,C., Fsihi,H.,
 AUTHORS

Bacteria; Firmicutes; Bacillales; Listeriaceae; Listeria.	
1	Kunst,F. and Glaser,P.
AUTHORS	
JOURNAL	Listeria innocua, genome and applications
TITLE	Patent: WO 0228891 A 694 11-APR-2002;
JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) (FR)
AUTHORS	Location/Qualifiers
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AUTHORS	Kunst,F. and Glaser,P.
JOURNAL	Listeria innocua, genome and applications
TITLE	Patent: WO 0228891 A 2870 11-APR-2002;
JOURNAL	INSTITUT PASTEUR (FR) ; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) (FR)
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AUTHORS	Glasner,P., Frangeul,L., Buchrieser,C., Rusniok,C., Amend,A., Baquero,F., Berche,P., Bielecker,H., Brandt,P., Chakraborty,T., Charbit,A., Checouni,F., Couve,E., de Darvuar,A., Dehoux,P., Domann,E., Dominguez-Bernal,G., Duchaud,E., Durant,L., Dussurgeot,O., Entian,K.-D., Fisbi,H., Garcia-del Portillo,F., Garrido,P., Gautier,L., Geobel,W., Gomez-Lopez,N., Hain,T., Hauf,J., Jackson,D., Jones,L.M., Karsf,J., Kuhn,M., Kunst,F., Kurapati,G., Madiueno,E., Maitourna,A., Vicente,J.M., Ng,E., Nedjari,H., Nordsiek,G., Novella,S., de Pablos,B., Perez-Diaz,J.C., Purcell,R., Remmeli,B., Rose,M., Schlueter,T., Simoes,N., Tierrez,A., Vazquez-Boland,J.A., Voss,H., Weiland,J., as Cossart,P.
JOURNAL	Comparative genomics of Listeria species
PUBLMED	Science 294 (5543), 849-852 (2001) 11679669
REFERENCE	2 (bases 1 to 25528)
AUTHORS	Glasner,P., Frangeul,L. and Rusniok,C.
TITLE	Direct Submission
JOURNAL	Microorganism Pathogenes, 25 rue du Docteur Roux, 75724 Paris Cedex 15, FRANCE
COMMENT	E-mail: pg.laser@pasteur.fr Phone: +33 1 45 68 89 96; Fax: +33 (0) 1 45 68 87 86.
FEATURES	Location/Qualifiers
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